

**Supplementary Material to:**

**Schäppi et al.: Body height in adult women and men in a cross-sectional population-based survey in Geneva: Temporal trends, association with general health status, and height loss after age 50**

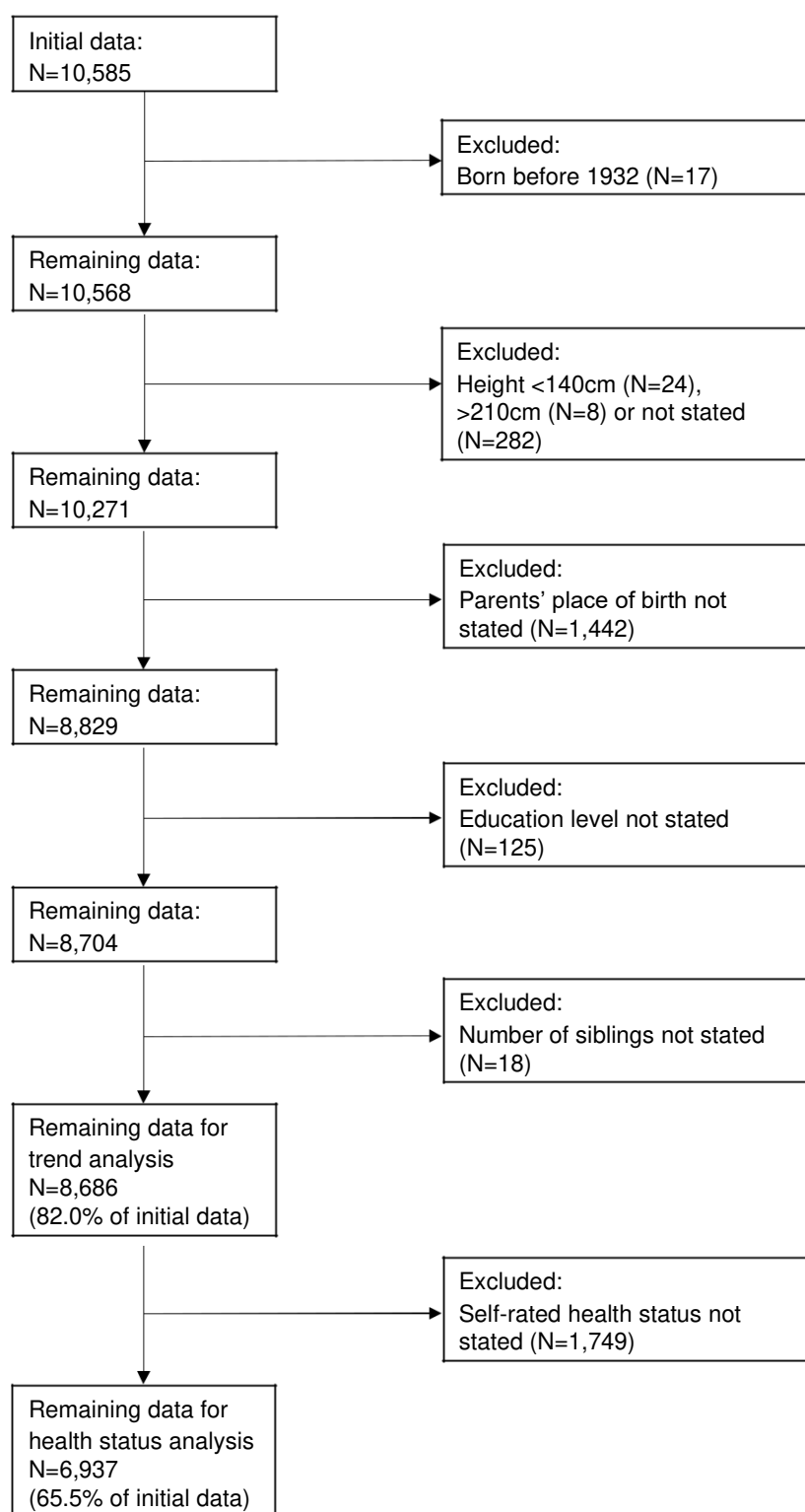
**Supplementary Table S1:** The results of the  $\Delta$  AIC examination. The lower the  $\Delta$  AIC the lower the importance of a given variable in a model.

**A) Models explaining height trends**

<b>Men</b>		<b>Women</b>	
<b>Parameter</b>	<b><math>\Delta</math> AIC</b>	<b>Parameter</b>	<b><math>\Delta</math> AIC</b>
Migration	359.0	Migration	555.9
Birthyear	283.6	Birthyear	236.9
Education	91.6	Education	67.5
Sibling	31.6	Sibling	22.3
Examin. Year	0.7	Examin. Year	-1.9

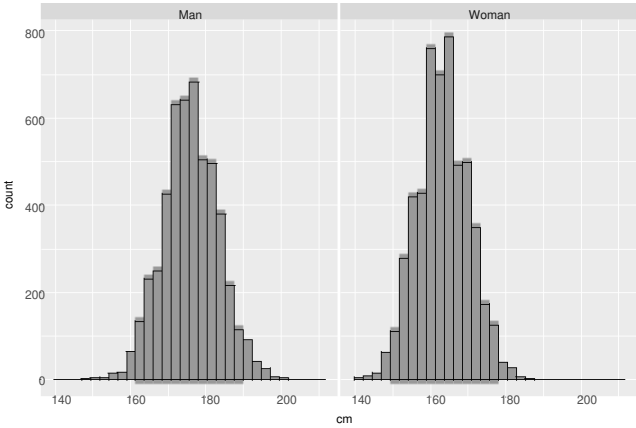
**B) Models explaining health status**

<b>Men</b>		<b>Women</b>	
<b>Parameter</b>	<b><math>\Delta</math> AIC</b>	<b>Parameter</b>	<b><math>\Delta</math> AIC</b>
Education	37.5	Migration	54.5
Age	35.5	Education	21.0
Migration	14.8	Height	14.8
Height	4.5	Age	7.9

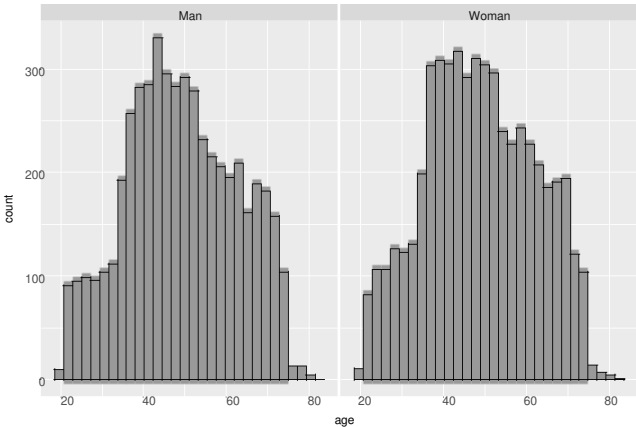
**Supplementary Figure S1:** Flow chart of data preparation.

**Supplementary Figure S2:** Histogram of height (A) and age (B).

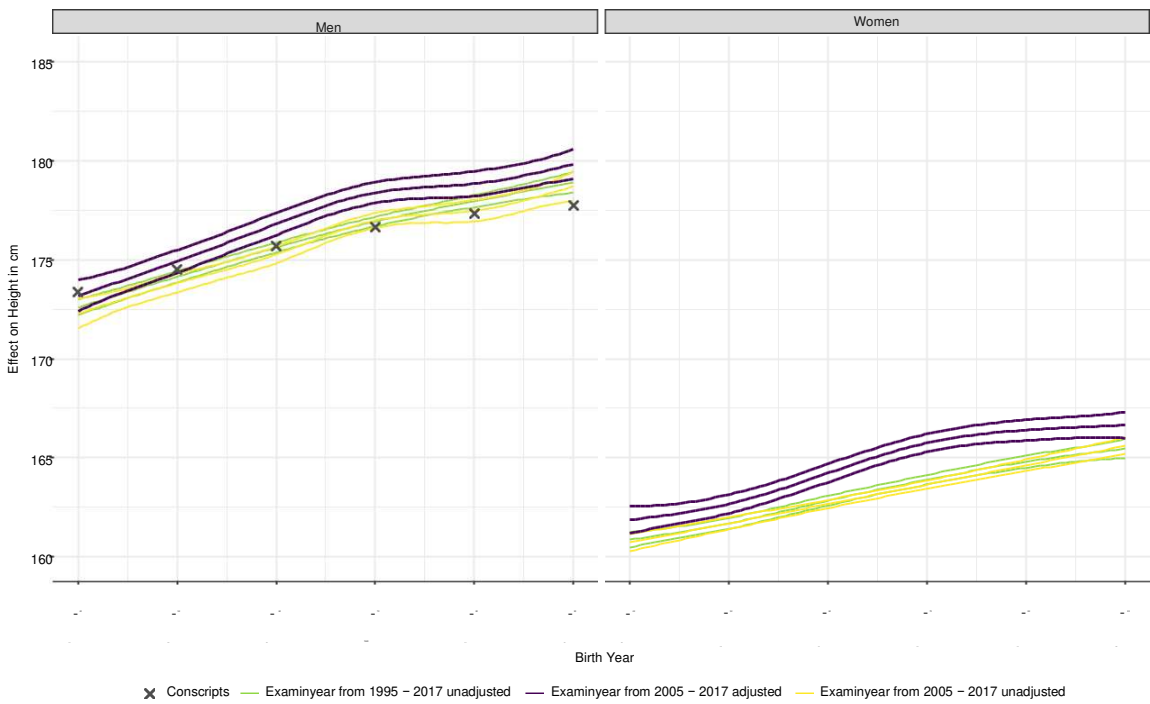
A) Histogram height



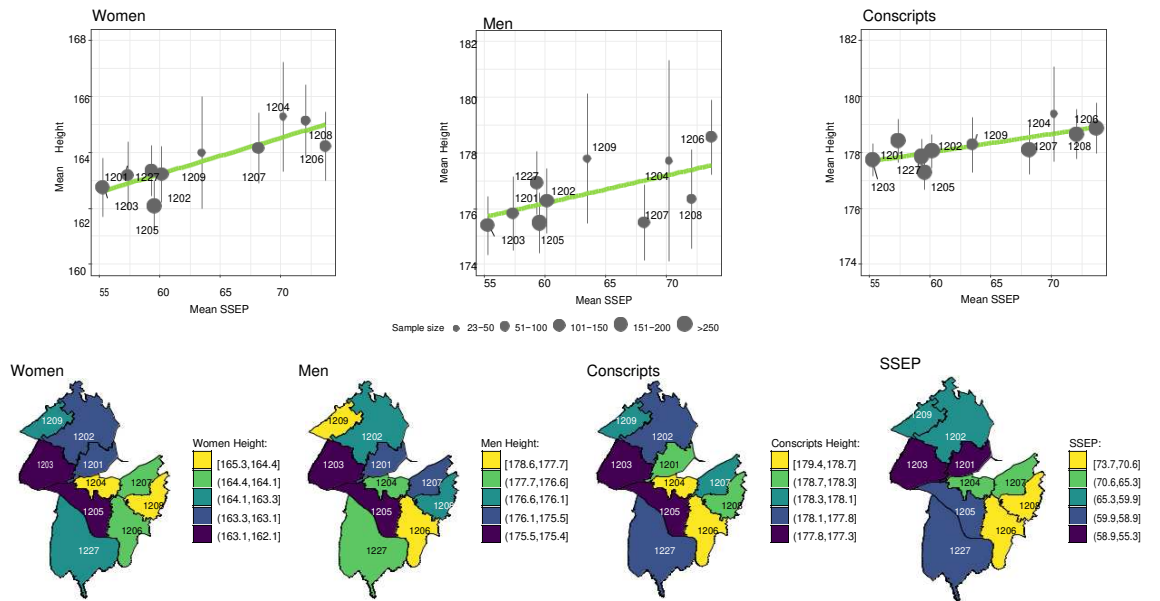
B) Histogram age



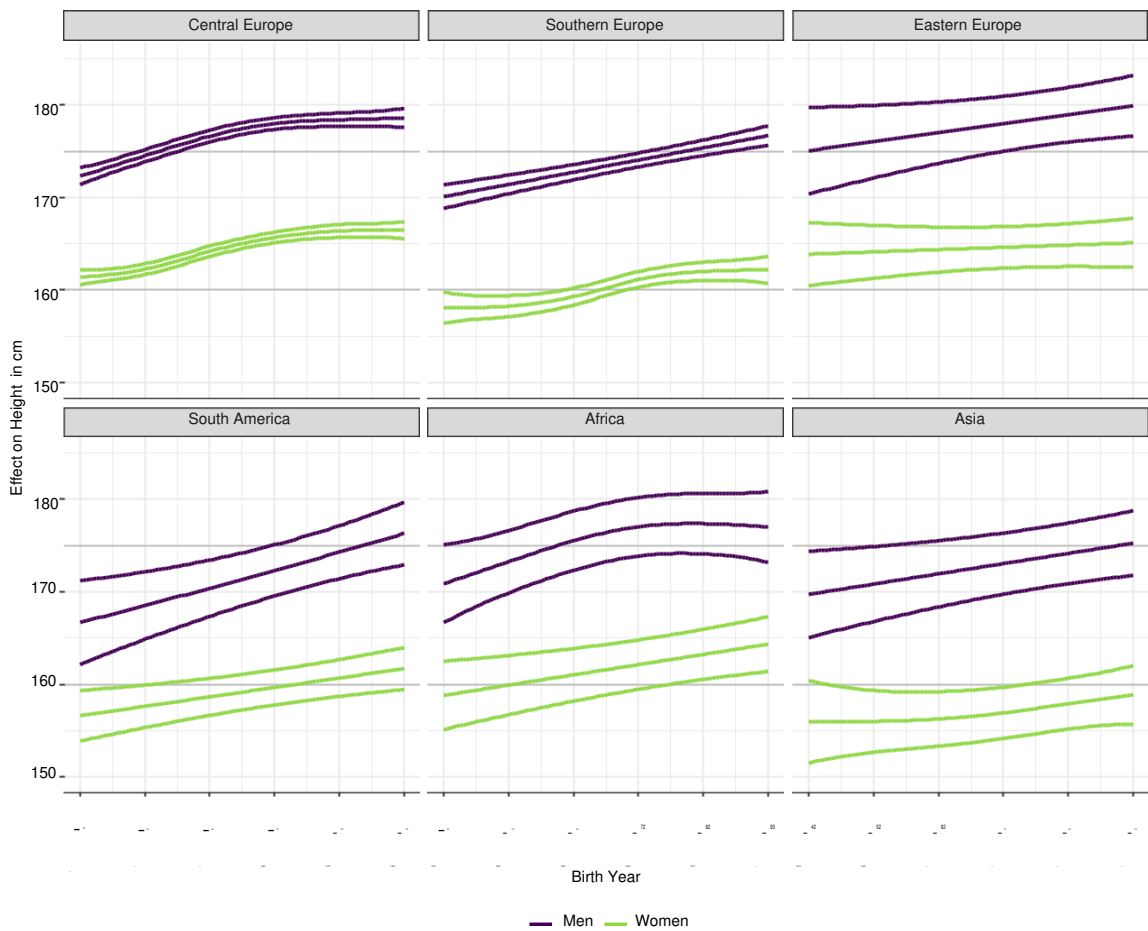
**Supplementary Figure S3:** Comparison of the adjusted and unadjusted trends shown in Figure 1 (purple and yellow lines, examination years 2005-2017), with unadjusted trends for the examination years 1992-2017 and published averages for young male conscripts (19 years old) from Geneva.



**Supplementary Figure S4:** Average height of adult male and female *Bus Santé* participants per ZIP code of residence within the city of Geneva (maps on the left side) compared to the average height of conscripts and average area-based Swiss-SEP (SSEP) index for the same areas (maps on the right side). The scatterplots with linear regression lines in the upper row of the graph indicate a positive correlation between average height and Swiss-SEP among ZIP codes.



**Supplementary Figure S5:** Modelled and adjusted trends for migration background across years of birth among adult men and women in Geneva.



**Supplementary Figure S6:** Histogram of height loss after age 50 years per year of follow-up in a subsample of *Bus Santé* participants of both sexes.

